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1 **The automated lane-changing model of intelligent vehicle highway systems**
Lingxi Li; Fei-Yue Wang;
Intelligent Transportation Systems, 2002. Proceedings. The IEEE 5th Internati
Conference on , 2002
Pages:216 - 218

[Abstract]   [PDF Full-Text (285 KB)]   **IEEE CNF**

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2 **A digital-driving system for smart vehicles**
Wuhong Wang;
Intelligent Systems, IEEE [see also IEEE Expert] , Volume: 17 , Issue: 5 , Sep
Oct. 2002
Pages:81 - 83

[Abstract]   [PDF Full-Text (290 KB)]   **IEEE JNL**

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3 **Potential benefits of roadside intelligence for flow control in an IVHS**
Rao, B.S.Y.; Varaiya, P.;
American Control Conference, 1994 , Volume: 1 , 29 June-1 July 1994
Pages:418 - 422 vol.1

[Abstract]   [PDF Full-Text (568 KB)]   **IEEE CNF**

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4 **Lane change maneuver of automobiles for the intelligent vehicle and highway system (IVHS)**
Wonshik Chee; Tomizuka, M.;
American Control Conference, 1994 , Volume: 3 , 29 June-1 July 1994
Pages:3586 - 3587 vol.3

[Abstract]   [PDF Full-Text (180 KB)]   **IEEE CNF**

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5 **VATSIM: a simulator for vehicles and traffic**

Jia Lei; Redmill, K.; Ozguner, U.;
Intelligent Transportation Systems, 2001. Proceedings. 2001 IEEE , 25-29 Aug 2001
Pages:686 - 691

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6 **The analysis of vehicle behavior in the weaving section on the highw using a micro-simulator**
Kojima, M.; Kawashima, H.; Sugiura, T.; Ohme, A.;
Vehicle Navigation and Information Systems Conference, 1995. Proceedings. I conjunction with the Pacific Rim TransTech Conference. 6th International VNIS Ride into the Future' , 30 July-2 Aug. 1995
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7 **A traffic simulation of work zone with an improved continuum traffic flow model**
Hsun-Jung Cho; Ming-Chorng Hwang; Du-Hwan Lin;
Networking, Sensing and Control, 2004 IEEE International Conference on , Vo 2 , 2004
Pages:1126 - 1130 Vol.2

[Abstract]   [PDF Full-Text (1496 KB)]   **IEEE CNF**

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8 **Collision avoidance analysis for lane changing and merging**
Jula, H.; Kosmatopoulos, E.B.; Ioannou, P.A.;
Vehicular Technology, IEEE Transactions on , Volume: 49 , Issue: 6 , Nov. 200
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9 **On-line identification of driver state for lane-keeping tasks**
Pilutti, T.; Ulsoy, G.;
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10 **Identification of driver state for lane-keeping tasks**
Pilutti, T.; Ulsoy, A.G.;
Systems, Man and Cybernetics, Part A, IEEE Transactions on , Volume: 29 , Is 5 , Sept. 1999
Pages:486 - 502

[Abstract]   [PDF Full-Text (548 KB)]   **IEEE JNL**

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11 **Development of a fuzzy logic based microscopic motorway simulati model**
McDonald, M.; Wu, J.; Brackstone, M.;
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Pages:82 - 87

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12 **2DSIM: A prototype of nanoscopic traffic simulation**
Ni, D.;
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Pages:47 - 52

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13 **Vision based lateral control by yaw rate feedback**
Ju Yong Choi; Chang Sup Kim; Sinpyo Hong; Man Hyung Lee; Jong Il Bae;
Harashima, F.;
Industrial Electronics Society, 2001. IECON '01. The 27th Annual Conference o
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Pages:2135 - 2138 vol.3

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Das, S.; Bowles, B.A.; Houghland, C.R.; Hunn, S.J.; YunLong Zhang;
Simulation Symposium, 1999. Proceedings. 32nd Annual , 11-15 April 1999
Pages:79 - 84

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15 **Variable structure model following control of active four-wheel-stee vehicle based on the optimal reference model**
Qiuzhen Qu; Jianwu Zhang; Yanzhu Liu;
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1 **Real-time optimization control for parking a vehicle automatically**
Kobayashi, T.; Majima, S.;
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Pages:97 - 102

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2 **Estimation of traffic platoon structure from headway statistics**
Baras, J.; Dorsey, A.; Levine, W.;
Automatic Control, IEEE Transactions on , Volume: 24 , Issue: 4 , Aug 1979
Pages:553 - 559

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3 **Traffic monitoring using digital sound field mapping**
Shiping Chen; Ziping Sun; Bridge, B.;
Vehicular Technology, IEEE Transactions on , Volume: 50 , Issue: 6 , Nov. 200
Pages:1582 - 1589

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4 **new electrosensitive traffic light using fuzzy neural network**
Yon-Sik Hong; Hyunsoo Jin; Chong-Kug Park;
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Pages:759 - 767

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5 **Fuzzy target acquired by reinforcement learning for parking control**
Yasunobu, S.; Matsubara, T.;
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Pages:1242 - 1247 Vol.2

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6 Automatic traffic monitoring by intelligent sound detection
Chen, S.; Sun, Z.P.; Bridge, B.;
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7 Estimation of optimal green time simulation using fuzzy neural netw
You Sik Hong; JongSoo Kim; Jeong Kwangson; ChongKug Park;
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**8 Neuro-fuzzy control of converging vehicles for automated transporta
systems**
Jahng-Hyon Park; Se-Hee Ryu;
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Pages:4193 - 4197 vol.6

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9 Parking lot analysis and visualization from aerial images
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Applications of Computer Vision, 1998. WACV '98. Proceedings., Fourth IEEE
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**10 Modeling and evaluation of adaptive bus-preemption control with a
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Gang-Len Chang; Vasudevan, M.; Chih-Chiang Su;
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**11 Multiplexing of short real-time messages for road transport informa
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Garcia Suarez, L.M.; Kaltwasser, J.; Kassubek, J.;
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**12 Parking control based on nonlinear trajectory control for low speed
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13 Fuzzylot II: a novel soft computing approach to the realisation of autonomous driving manoeuvres for intelligent vehicles
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14 The sensor fusion design and performance analysis of unmanned vehicle for the tele-operation system
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15 Performance evaluation of vehicle-roadside communication system shadowing and multipath fading environments
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[Abstract]   [PDF Full-Text (628 KB)]   **IEEE CNF**

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1 **Automatic detecting system for traffic flow of bicycles based on patt recognition and classification**
Wang Guizhu; Liang Bing;
Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics and Simulation'., 1997 IEEE International Conference on , Volume: 5 , 12-15 Oct.

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2 **Study on the cyclist behavior at signalized intersections**
Ling Huang; Jianping Wu;
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Pages:317 - 322 vol.1

[Abstract]   [PDF Full-Text (399 KB)]   **IEEE CNF**

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1 **Improving pedal power during semireclined leg cycling**
Trumbower, R.D.; Faghri, P.D.;
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Pages:62 - 71

[Abstract]   [PDF Full-Text (954 KB)]   **IEEE JNL**

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2 **Electrical stimulation-induced contraction to reduce blood stasis dur arthroplasty**
Faghri, P.D.; Pompe Van Meerdervort, H.F.; Glaser, R.M.; Figoni, S.F.;
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Pages:62 - 69

[Abstract]   [PDF Full-Text (120 KB)]   **IEEE JNL**

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3 **Entrance analysis of turbulent flow in an array of heated rectangular blocks**
Faghri, M.; Molki, M.; Chrupcala, J.; Asako, Y.;
Components, Packaging, and Manufacturing Technology, Part A, IEEE Transact on [see also Components, Hybrids, and Manufacturing Technology, IEEE Transactions on] , Volume: 18 , Issue: 3 , Sept. 1995
Pages:546 - 552

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4 **Novel techniques for the thermal management of space-based, high power microwave tubes**
Rose, M.F.; Hyder, A.K.; Askew, R.F.; Chow, L.; Gilmour, A.S., Jr.; Faghri, A.;
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Pages:2252 - 2263

[Abstract]   [PDF Full-Text (984 KB)]   **IEEE JNL**

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5 Condensation heat transfer regarding hysteretic annular flow in a rotating stepped wall heat pipe
Lin, L.; Faghri, A.;
Energy Conversion Engineering Conference, 1997. IECEC-97. Proceedings of t 32nd Intersociety , 27 July-1 Aug. 1997
Pages:1385 - 1390 vol.2

[Abstract]   [PDF Full-Text (448 KB)]   **IEEE CNF**

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Lanchao Lin; Faghri, A.;
Energy Conversion Engineering Conference, 1997. IECEC-97. Proceedings of t 32nd Intersociety , Volume: 4 , 27 July-1 Aug. 1997
Pages:2295 - 2301 vol.4

[Abstract]   [PDF Full-Text (532 KB)]   **IEEE CNF**

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7 Entrance analysis of turbulent flow in an array of heated rectangular blocks
Faghri, M.; Molki, M.; Chrupcala, J.; Asako, Y.;
Thermal Phenomena in Electronic Systems, 1994. I-THERM IV. 'Concurrent Engineering and Thermal Phenomena'., InterSociety Conference on , 4-7 May

Pages:198 - 206

[Abstract]   [PDF Full-Text (612 KB)]   **IEEE CNF**

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PGPUB-DOCUMENT-NUMBER: 20040148057
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040148057 A1

TITLE: Vehicular exterior identification and monitoring system-agricultural product distribution

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	

US-CL-CURRENT: 700/242; 111/200, 239/62, 342/70, 700/283

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PGPUB-DOCUMENT-NUMBER: 20040088392
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040088392 A1

TITLE: Population mobility generator and simulator

PUBLICATION-DATE: May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barrett, Christopher L.	Santa Fe	NM	US	
Beckman, Richard J.	Santa Fe	NM	US	
Eubank, Stephen G.	Santa Fe	NM	US	
Marathe, Madhav V.	Los Alamos	NM	US	
Baggerly, Keith A.	Houston	TX	US	
McKay, Michael D.	Los Alamos	NM	US	

Speckman, Paul L.	Columbia	MO	US
Jacob, Rudiger R.	Veitschoecheim	AZ	DE
Konjevod, Goran	Tempe	NM	US
Nagel, Kai	Dormagen	NM	DE
Berkbigler, Kathryn P.	Los Alamos	NM	US
Bush, Brian W.	Santa Fe	NM	US
Esser, Joerg	Dusseldorf	NM	DE
Stretz, Paula E.	Los Alamos		US
Smith, James P.	Los Alamos		US
Campbell, Katherine	Los Alamos		US

US-CL-CURRENT: 709/223

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PGPUB-DOCUMENT-NUMBER: 20030191568
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030191568 A1

TITLE: Method and system for controlling a vehicle

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
| Breed, David S. | Boonton Township | NJ | US | |

US-CL-CURRENT: 701/36; 340/438, 701/213

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

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PGPUB-DOCUMENT-NUMBER: 20020198632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020198632 A1

TITLE: Method and arrangement for communicating between vehicles

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	

Lukin, Kostyantyn Alexandrovich   Kharkov   UA
Konovalov, Vladymyr Michailovich   Kharkov   UA

US-CL-CURRENT: <u>701</u>/<u>1</u>; <u>701</u>/<u>213</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

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PGPUB-DOCUMENT-NUMBER: 20020062207
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020062207 A1

TITLE: Computer-implemented system and method for <u>simulating</u> motor <u>vehicle and</u>
<u>bicycle traffic</u>

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Faghri, Ardeshir	Kennett Square	PA	US	

US-CL-CURRENT: <u>703</u>/<u>8</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 6.   Document ID: US 20020005778 A1

L4: Entry 6 of 11   File: PGPB   Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020005778
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020005778 A1

TITLE: Vehicular blind spot identification and monitoring system

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Breed, David S.	Boonton Township	NJ	US	
DuVall, Wilbur E.	Kimberling City	MO	US	
Johnson, Wendell C.	Signal Hill	CA	US	

US-CL-CURRENT: <u>340</u>/<u>435</u>; <u>340</u>/<u>436</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 7.   Document ID: US 6768944 B2

L4: Entry 7 of 11   File: USPT   Jul 27, 2004

US-PAT-NO: 6768944
DOCUMENT-IDENTIFIER: US 6768944 B2

TITLE: Method and system for controlling a vehicle

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		
Johnson; Wendell C.	Signal Hill	CA		
DuVall; Wilbur E.	Kimberling City	MO		

US-CL-CURRENT: 701/301; 213/36

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8. Document ID: US 6720920 B2

L4: Entry 8 of 11   File: USPT   Apr 13, 2004

US-PAT-NO: 6720920
DOCUMENT-IDENTIFIER: US 6720920 B2

TITLE: Method and arrangement for communicating between vehicles

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		
DuVall; Wilbur E.	Kimberling City	MO		
Johnson; Wendell C.	Signal Hill	CA		
Lukin; Kostyantyn Alexandrovich	Kharkov			UA
Konovalov; Vladymyr Michailovich	Kharkov			UA

US-CL-CURRENT: 342/386; 342/357.06

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 9. Document ID: US 6526352 B1

L4: Entry 9 of 11   File: USPT   Feb 25, 2003

US-PAT-NO: 6526352
DOCUMENT-IDENTIFIER: US 6526352 B1

TITLE: Method and arrangement for mapping a road

DATE-ISSUED: February 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		
Johnson; Wendell C.	Signal Hill	CA		
Castelli; Vittorio	Yorktown Heights	NY		
Seitz; William E.	Bedford	NH		
DuVall; Wilbur E.	Kimberling City	MO		

US-CL-CURRENT: <u>701/213</u>; <u>342/357.13</u>, <u>701/200</u>, <u>701/208</u>, <u>701/210</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 10. Document ID: US 6405132 B1

L4: Entry 10 of 11   File: USPT   Jun 11, 2002

US-PAT-NO: 6405132
DOCUMENT-IDENTIFIER: US 6405132 B1
** See image for <u>Certificate of Correction</u> **

TITLE: Accident avoidance system

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		
Johnson; Wendell C.	Signal Hill	CA		
Duvall; Wilbur E.	Kimberling City	MO		

US-CL-CURRENT: <u>701/301</u>; <u>701/117</u>, <u>701/213</u>, <u>701/45</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 11. Document ID: US 6370475 B1

L4: Entry 11 of 11   File: USPT   Apr 9, 2002

US-PAT-NO: 6370475
DOCUMENT-IDENTIFIER: US 6370475 B1

TITLE: Accident avoidance system

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breed; David S.	Boonton Township, Morris County	NJ		
Duvall; Wilbur E.	Kimberling City	MO		
Johnson; Wendell C.	San Diego	CA		

US-CL-CURRENT: 701/301; 340/436, 342/357.08, 701/215

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

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☐ 1. Document ID: US 20020062207 A1

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L1: Entry 1 of 1   File: PGPB   May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020062207
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020062207 A1

TITLE: Computer-implemented system and method for simulating motor vehicle and
bicycle traffic

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Faghri, Ardeshir	Kennett Square	PA	US	

US-CL-CURRENT: 703/8

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Term	Documents
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